Trend Analysis Results

slope: value year^{-1}

Increase: p < 0.05 | p < 0.1 | p > 0.1

Decrease: p < 0.05 | p < 0.1 | p > 0.1

Variable: logFCOLI

Units: log10(#/100mL)

						Trend Method:	**LinearRegression**		**MannKendall**		**SeasonalKendall**	
Site	*Weather*	*No. Samples*	*No. Years*	*Mean*	*St. Dev.*	*Slope*	*p-value*	*Slope*	*p-value*	*Slope*	*p-value*
9MILE	Dry	171	12	0.897	0.079	0.006	0.403	0.009	0.451	0.000	0.298
9MILE	Wet	211	12	1.283	0.244	-0.007	0.727	-0.007	0.837	-0.010	0.498
9MILE	All	382	12	1.143	0.184	0.005	0.709	0.003	0.945	0.012	0.326
9MILE	Adjusted	382	12	1.078	0.126	0.004	0.620	0.006	0.732	0.002	0.783
MAPLE	Dry	173	12	0.825	0.080	0.014	0.030	0.013	0.019	0.000	0.014
MAPLE	Wet	215	12	1.059	0.162	-0.003	0.858	-0.001	0.945	0.004	0.506
MAPLE	All	388	12	0.968	0.100	0.002	0.790	0.001	0.945	0.009	0.079
MAPLE	Adjusted	388	12	0.932	0.082	0.005	0.453	0.006	0.244	0.004	0.408
WIL	Dry	174	12	0.839	0.064	0.006	0.255	0.005	0.304	0.000	0.890
WIL	Wet	212	12	1.122	0.180	-0.006	0.683	-0.009	0.837	0.003	0.591
WIL	All	386	12	1.023	0.134	0.001	0.916	0.004	0.732	0.005	0.559
WIL	Adjusted	386	12	0.979	0.110	0.004	0.582	0.005	0.837	0.003	0.602
LKPK	Dry	173	12	0.822	0.095	0.004	0.571	-0.002	0.945	0.000	0.685
LKPK	Wet	210	12	1.136	0.149	-0.003	0.835	-0.010	0.732	0.005	0.327
LKPK	All	383	12	1.018	0.132	0.000	0.978	-0.003	0.945	0.005	0.324
LKPK	Adjusted	383	12	0.976	0.117	0.002	0.774	0.002	0.837	0.004	0.342
BLBRK	Dry	138	10	0.824	0.082	0.010	0.211	0.009	0.127	0.000	0.061
BLBRK	Wet	174	11	1.419	0.305	-0.075	0.005	-0.076	0.020	-0.048	0.060
BLBRK	All	312	11	1.208	0.288	-0.059	0.026	-0.037	0.043	-0.025	0.051
BLBRK	Adjusted	312	11	1.113	0.198	-0.029	0.103	-0.014	0.213	-0.007	0.720
LEY	Dry	143	12	1.151	0.246	-0.005	0.836	-0.004	0.837	0.007	0.725
LEY	Wet	191	12	2.056	0.325	-0.053	0.043	-0.063	0.047	-0.038	0.137
LEY	All	334	12	1.705	0.254	-0.031	0.059	-0.038	0.086	-0.023	0.224
LEY	Adjusted	334	12	1.599	0.230	-0.022	0.228	-0.029	0.373	-0.020	0.141
MID_S	Dry	145	12	1.441	0.336	0.062	0.007	0.063	0.034	0.073	0.000
MID_S	Wet	191	12	2.216	0.289	-0.003	0.895	-0.006	0.945	0.014	0.524
MID_S	All	336	12	1.873	0.255	0.036	0.033	0.040	0.047	0.049	0.021
MID_S	Adjusted	336	12	1.797	0.281	0.043	0.014	0.053	0.024	0.058	0.005
HARB	Dry	144	12	1.144	0.240	0.034	0.065	0.026	0.047	0.027	0.096
HARB	Wet	192	12	1.959	0.357	-0.009	0.796	-0.007	0.945	0.005	0.944
HARB	All	336	12	1.636	0.236	-0.004	0.846	-0.009	0.837	0.014	0.654
HARB	Adjusted	336	12	1.545	0.211	0.006	0.716	0.019	0.373	0.018	0.306
LS_N	Dry	829	12	0.842	0.063	0.007	0.171	0.009	0.150	0.004	0.287
LS_N	Wet	1022	12	1.181	0.176	-0.004	0.808	-0.006	0.631	0.007	0.754
LS_N	All	1851	12	1.053	0.133	0.002	0.855	0.002	0.945	0.009	0.149
LS_N	Adjusted	1851	12	1.004	0.096	0.004	0.499	0.009	0.537	0.006	0.257
LS_S	Dry	432	12	1.258	0.243	0.028	0.122	0.033	0.193	0.034	0.037
LS_S	Wet	574	12	2.076	0.282	-0.022	0.343	-0.019	0.451	0.003	0.810
LS_S	All	1006	12	1.739	0.222	0.000	0.985	0.007	0.945	0.014	0.608
LS_S	Adjusted	1006	12	1.648	0.219	0.009	0.538	0.013	0.373	0.025	0.124
LS_ALL	Dry	1261	12	0.980	0.129	0.021	0.011	0.021	0.086	0.020	0.001
LS_ALL	Wet	1596	12	1.472	0.178	0.010	0.556	0.013	0.837	0.025	0.079
LS_ALL	All	2857	12	1.282	0.156	0.012	0.262	0.012	0.373	0.022	0.029
LS_ALL	Adjusted	2857	12	1.220	0.132	0.017	0.046	0.021	0.024	0.017	0.015
SOUTH	Dry	234	13	1.178	0.119	0.002	0.757	0.004	0.837	0.000	0.681
SOUTH	Wet	245	13	1.575	0.098	-0.006	0.754	-0.012	0.451	0.014	0.377
SOUTH	All	479	13	1.414	0.124	0.001	0.914	-0.003	0.945	0.007	0.480
SOUTH	Adjusted	479	13	1.404	0.101	0.000	0.971	0.004	0.837	0.002	0.927

Trend Analysis Results

slope: value year^{-1}

Increase: p < 0.05 | p < 0.1 | p > 0.1

Decrease: p < 0.05 | p < 0.1 | p > 0.1

Variable: FCOLI_GT_100

Units: frequency > 100 #/100mL

						Trend Method:	**LinearRegression**		**MannKendall**		**SeasonalKendall**	
Site	*Weather*	*No. Samples*	*No. Years*	*Mean*	*St. Dev.*	*Slope*	*p-value*	*Slope*	*p-value*	*Slope*	*p-value*
9MILE	Dry	171	12	0.003	0.012	0.000	0.893	0.000	1.000	0.000	1.000
9MILE	Wet	211	12	0.147	0.097	-0.007	0.364	-0.004	0.370	0.000	1.000
9MILE	All	382	12	0.095	0.066	-0.001	0.782	-0.001	0.945	0.000	0.852
9MILE	Adjusted	382	12	0.069	0.049	-0.002	0.701	-0.001	0.837	0.001	0.646
MAPLE	Dry	173	12	0.000	0.000	0.000	1.000	0.000	1.000	0.000	1.000
MAPLE	Wet	215	12	0.051	0.053	-0.005	0.274	-0.001	0.236	0.000	0.410
MAPLE	All	388	12	0.039	0.041	-0.003	0.358	0.000	0.300	0.000	0.359
MAPLE	Adjusted	388	12	0.022	0.034	-0.002	0.481	-0.001	0.631	0.000	0.976
WIL	Dry	174	12	0.000	0.000	0.000	1.000	0.000	1.000	0.000	1.000
WIL	Wet	212	12	0.078	0.084	-0.003	0.555	-0.003	0.574	0.000	0.803
WIL	All	386	12	0.064	0.077	-0.001	0.836	0.000	1.000	0.000	1.000
WIL	Adjusted	386	12	0.047	0.069	0.000	0.977	0.001	0.732	0.000	0.560
LKPK	Dry	173	12	0.000	0.000	0.000	1.000	0.000	1.000	0.000	1.000
LKPK	Wet	210	12	0.083	0.092	-0.010	0.158	-0.006	0.161	0.000	0.281
LKPK	All	383	12	0.058	0.068	-0.006	0.229	-0.005	0.161	0.000	0.267
LKPK	Adjusted	383	12	0.042	0.068	-0.005	0.263	-0.003	0.537	-0.001	0.481
BLBRK	Dry	138	10	0.000	0.000	0.000	1.000	0.000	1.000	0.000	1.000
BLBRK	Wet	174	11	0.184	0.129	-0.042	0.002	-0.038	0.003	0.000	0.034
BLBRK	All	312	11	0.114	0.077	-0.030	0.014	-0.020	0.003	0.000	0.084
BLBRK	Adjusted	312	11	0.070	0.037	-0.015	0.064	-0.010	0.119	-0.001	0.842
LEY	Dry	143	12	0.075	0.107	0.001	0.860	0.000	0.830	0.000	0.952
LEY	Wet	191	12	0.503	0.126	-0.031	0.008	-0.027	0.019	-0.036	0.027
LEY	All	334	12	0.333	0.093	-0.014	0.053	-0.012	0.150	-0.011	0.160
LEY	Adjusted	334	12	0.286	0.091	-0.009	0.163	-0.009	0.150	-0.010	0.337
MID_S	Dry	145	12	0.139	0.169	0.009	0.519	0.008	0.367	0.000	0.085
MID_S	Wet	191	12	0.593	0.146	0.003	0.817	0.002	0.836	0.000	0.456
MID_S	All	336	12	0.388	0.115	0.009	0.298	0.009	0.304	0.009	0.328
MID_S	Adjusted	336	12	0.343	0.128	0.013	0.152	0.013	0.373	0.023	0.025
HARB	Dry	144	12	0.075	0.074	0.006	0.346	0.006	0.285	0.000	0.383
HARB	Wet	192	12	0.446	0.166	-0.020	0.171	-0.018	0.115	0.000	0.372
HARB	All	336	12	0.294	0.111	-0.008	0.388	-0.018	0.373	0.000	0.842
HARB	Adjusted	336	12	0.249	0.103	-0.003	0.726	-0.005	0.631	0.002	0.848
LS_N	Dry	829	12	0.001	0.002	0.000	0.893	0.000	1.000	0.000	1.000
LS_N	Wet	1022	12	0.102	0.068	-0.007	0.231	-0.006	0.373	0.000	0.862
LS_N	All	1851	12	0.069	0.050	-0.003	0.433	-0.002	0.631	0.000	0.788
LS_N	Adjusted	1851	12	0.048	0.039	-0.002	0.526	-0.002	0.732	0.000	0.878
LS_S	Dry	432	12	0.103	0.114	0.005	0.576	0.005	0.630	0.000	0.101
LS_S	Wet	574	12	0.515	0.119	-0.017	0.113	-0.016	0.115	0.000	0.780
LS_S	All	1006	12	0.341	0.091	-0.006	0.407	-0.006	0.304	0.000	0.949
LS_S	Adjusted	1006	12	0.295	0.094	-0.001	0.907	-0.001	0.945	0.011	0.370
LS_ALL	Dry	1261	12	0.037	0.041	0.003	0.362	0.002	0.241	0.000	0.031
LS_ALL	Wet	1596	12	0.239	0.071	-0.002	0.775	0.000	1.000	0.006	0.252
LS_ALL	All	2857	12	0.161	0.059	0.000	0.971	-0.001	0.945	0.003	0.337
LS_ALL	Adjusted	2857	12	0.133	0.051	0.002	0.596	0.003	0.537	0.003	0.374
SOUTH	Dry	234	13	0.101	0.090	0.000	0.893	0.000	1.000	0.000	1.000
SOUTH	Wet	245	13	0.267	0.085	-0.013	0.387	-0.005	0.580	0.000	0.533
SOUTH	All	479	13	0.189	0.091	-0.004	0.590	0.000	1.000	0.000	0.402
SOUTH	Adjusted	479	13	0.185	0.084	-0.004	0.434	-0.003	0.537	-0.002	0.232

Trend Analysis Results

slope: value year^{-1}

Increase: $p < 0.05$ | $p < 0.1$ | $p > 0.1$

Decrease: $p < 0.05$ | $p < 0.1$ | $p > 0.1$

Variable: logECOLI

Units: log10(#/100mL)

						Trend Method:	**LinearRegression**		**MannKendall**		**SeasonalKendall**	
Site	*Weather*	*No. Samples*	*No. Years*	*Mean*	*St. Dev.*	*Slope*	*p-value*	*Slope*	*p-value*	*Slope*	*p-value*
9MILE	Dry	152	12	0.886	0.112	-0.024	0.032	-0.024	0.150	0.000	0.115
9MILE	Wet	195	12	1.243	0.251	-0.017	0.432	-0.018	0.451	-0.019	0.465
9MILE	All	347	12	1.126	0.184	-0.026	0.029	-0.026	0.034	-0.019	0.220
9MILE	Adjusted	347	12	1.069	0.142	-0.022	0.062	-0.026	0.115	-0.011	0.289
MAPLE	Dry	152	12	0.787	0.075	-0.004	0.561	-0.004	0.489	0.000	1.000
MAPLE	Wet	196	12	0.975	0.119	-0.017	0.105	-0.017	0.244	-0.006	0.117
MAPLE	All	348	12	0.909	0.075	-0.010	0.032	-0.009	0.064	-0.006	0.238
MAPLE	Adjusted	348	12	0.875	0.061	-0.008	0.108	-0.007	0.150	-0.005	0.209
WIL	Dry	153	12	0.818	0.109	-0.019	0.124	-0.008	0.336	0.000	0.542
WIL	Wet	196	12	1.092	0.174	-0.023	0.095	-0.027	0.373	-0.020	0.081
WIL	All	349	12	1.003	0.137	-0.020	0.013	-0.021	0.024	-0.018	0.113
WIL	Adjusted	349	12	0.961	0.116	-0.016	0.032	-0.017	0.064	-0.017	0.052
LKPK	Dry	154	12	0.809	0.170	-0.027	0.088	-0.007	0.489	0.000	0.427
LKPK	Wet	196	12	1.057	0.181	-0.029	0.036	-0.033	0.024	-0.024	0.050
LKPK	All	350	12	0.969	0.160	-0.033	0.001	-0.034	0.005	-0.019	0.008
LKPK	Adjusted	350	12	0.932	0.157	-0.030	0.007	-0.026	0.034	-0.010	0.069
BLBRK	Dry	138	10	0.830	0.092	-0.023	0.019	-0.024	0.074	0.000	0.300
BLBRK	Wet	174	11	1.353	0.331	-0.066	0.011	-0.056	0.029	-0.056	0.007
BLBRK	All	312	11	1.161	0.285	-0.051	0.005	-0.056	0.020	-0.033	0.017
BLBRK	Adjusted	312	11	1.078	0.199	-0.024	0.023	-0.025	0.062	-0.012	0.450
LEY	Dry	143	12	1.074	0.233	-0.009	0.644	-0.016	0.631	0.000	0.778
LEY	Wet	190	12	1.976	0.308	-0.062	0.015	-0.066	0.024	-0.056	0.013
LEY	All	333	12	1.629	0.251	-0.040	0.017	-0.043	0.024	-0.043	0.073
LEY	Adjusted	333	12	1.521	0.208	-0.030	0.046	-0.032	0.115	-0.033	0.047
MID_S	Dry	144	12	1.426	0.275	0.013	0.544	0.005	0.451	0.028	0.057
MID_S	Wet	191	12	2.196	0.235	-0.026	0.096	-0.018	0.193	-0.019	0.289
MID_S	All	335	12	1.857	0.218	-0.001	0.918	0.002	0.945	0.009	0.898
MID_S	Adjusted	335	12	1.784	0.241	0.005	0.716	0.013	0.451	0.015	0.337
HARB	Dry	144	12	1.177	0.170	0.002	0.864	0.000	1.000	0.000	0.701
HARB	Wet	189	12	1.917	0.335	-0.011	0.776	-0.011	1.000	-0.030	0.229
HARB	All	333	12	1.594	0.242	-0.008	0.742	-0.017	0.451	-0.008	0.773
HARB	Adjusted	333	12	1.514	0.202	-0.001	0.958	0.012	0.537	0.011	0.654
LS_N	Dry	749	12	0.828	0.098	-0.020	0.053	-0.009	0.150	-0.004	0.208
LS_N	Wet	957	12	1.125	0.173	-0.020	0.175	-0.024	0.244	-0.019	0.098
LS_N	All	1706	12	1.019	0.132	-0.021	0.005	-0.021	0.024	-0.017	0.069
LS_N	Adjusted	1706	12	0.974	0.101	-0.017	0.010	-0.019	0.034	-0.013	0.060
LS_S	Dry	431	12	1.235	0.187	0.002	0.900	0.006	0.732	0.007	0.569
LS_S	Wet	570	12	2.036	0.253	-0.040	0.063	-0.032	0.193	-0.046	0.024
LS_S	All	1001	12	1.695	0.205	-0.017	0.249	-0.011	0.244	-0.013	0.405
LS_S	Adjusted	1001	12	1.608	0.187	-0.009	0.473	0.002	0.945	-0.014	0.337
LS_ALL	Dry	1180	12	0.970	0.110	-0.010	0.323	-0.007	0.631	0.003	0.744
LS_ALL	Wet	1527	12	1.454	0.199	-0.023	0.156	-0.017	0.304	-0.023	0.051
LS_ALL	All	2707	12	1.265	0.170	-0.019	0.065	-0.015	0.115	-0.016	0.286
LS_ALL	Adjusted	2707	12	1.207	0.146	-0.014	0.144	-0.008	0.945	-0.007	0.315
SOUTH	Dry	188	11	1.107	0.140	-0.008	0.445	-0.007	0.640	0.000	0.895
SOUTH	Wet	207	11	1.478	0.325	-0.001	0.972	-0.011	0.640	-0.026	0.281
SOUTH	All	395	11	1.347	0.225	-0.005	0.785	0.003	0.876	-0.017	0.463
SOUTH	Adjusted	395	11	1.338	0.179	-0.005	0.729	-0.003	1.000	-0.012	0.510

Trend Analysis Results

slope: value year^{-1}

Increase: p < 0.05 | p < 0.1 | p > 0.1

Decrease: p < 0.05 | p < 0.1 | p > 0.1

Variable: logTURB

Units: log10(NTU)

						Trend Method:	**LinearRegression**		**MannKendall**		**SeasonalKendall**	
Site	*Weather*	*No. Samples*	*No. Years*	*Mean*	*St. Dev.*	*Slope*	*p-value*	*Slope*	*p-value*	*Slope*	*p-value*
9MILE	Dry	128	9	0.455	0.168	-0.059	0.004	-0.065	0.009	-0.052	0.002
9MILE	Wet	158	9	0.531	0.183	-0.058	0.004	-0.056	0.005	-0.050	0.000
9MILE	All	286	9	0.498	0.179	-0.060	0.002	-0.055	0.005	-0.054	0.000
9MILE	Adjusted	286	9	0.479	0.160	-0.056	0.001	-0.054	0.005	-0.053	0.000
MAPLE	Dry	129	9	0.344	0.199	-0.061	0.009	-0.061	0.029	-0.060	0.000
MAPLE	Wet	156	9	0.425	0.202	-0.062	0.024	-0.073	0.076	-0.070	0.000
MAPLE	All	285	9	0.387	0.212	-0.066	0.007	-0.066	0.016	-0.069	0.000
MAPLE	Adjusted	285	9	0.375	0.200	-0.063	0.008	-0.069	0.009	-0.072	0.000
WIL	Dry	130	9	0.314	0.211	-0.068	0.004	-0.060	0.016	-0.059	0.000
WIL	Wet	156	9	0.419	0.163	-0.054	0.004	-0.053	0.009	-0.060	0.000
WIL	All	286	9	0.366	0.188	-0.063	0.003	-0.058	0.029	-0.058	0.000
WIL	Adjusted	286	9	0.355	0.178	-0.059	0.003	-0.060	0.029	-0.064	0.000
LKPK	Dry	130	9	0.401	0.212	-0.066	0.010	-0.071	0.048	-0.054	0.001
LKPK	Wet	156	9	0.400	0.176	-0.060	0.002	-0.061	0.016	-0.071	0.000
LKPK	All	286	9	0.398	0.194	-0.068	0.001	-0.071	0.016	-0.066	0.000
LKPK	Adjusted	286	9	0.391	0.188	-0.066	0.002	-0.067	0.016	-0.064	0.000
BLBRK	Dry	131	9	0.443	0.235	-0.080	0.001	-0.081	0.016	-0.080	0.000
BLBRK	Wet	156	9	0.455	0.218	-0.088	0.000	-0.098	0.002	-0.092	0.000
BLBRK	All	287	9	0.446	0.229	-0.084	0.000	-0.086	0.005	-0.085	0.000
BLBRK	Adjusted	287	9	0.440	0.223	-0.082	0.000	-0.087	0.005	-0.084	0.000
LEY	Dry	129	9	0.608	0.200	-0.074	0.000	-0.071	0.001	-0.075	0.000
LEY	Wet	158	9	0.724	0.221	-0.092	0.000	-0.089	0.002	-0.084	0.000
LEY	All	287	9	0.691	0.211	-0.081	0.000	-0.086	0.002	-0.075	0.000
LEY	Adjusted	287	9	0.667	0.188	-0.074	0.000	-0.075	0.002	-0.065	0.000
MID_S	Dry	131	9	0.635	0.176	-0.063	0.000	-0.060	0.001	-0.063	0.000
MID_S	Wet	157	9	0.744	0.219	-0.091	0.000	-0.088	0.002	-0.090	0.000
MID_S	All	288	9	0.706	0.187	-0.075	0.000	-0.076	0.001	-0.074	0.000
MID_S	Adjusted	288	9	0.690	0.174	-0.071	0.000	-0.071	0.001	-0.068	0.000
HARB	Dry	131	9	0.658	0.188	-0.061	0.001	-0.062	0.009	-0.066	0.000
HARB	Wet	158	9	0.683	0.212	-0.081	0.000	-0.084	0.005	-0.086	0.000
HARB	All	289	9	0.677	0.185	-0.068	0.000	-0.068	0.002	-0.070	0.000
HARB	Adjusted	289	9	0.667	0.178	-0.065	0.000	-0.067	0.002	-0.069	0.000
LS_N	Dry	648	9	0.392	0.199	-0.067	0.003	-0.074	0.016	-0.060	0.000
LS_N	Wet	782	9	0.447	0.173	-0.064	0.001	-0.062	0.009	-0.070	0.000
LS_N	All	1430	9	0.419	0.194	-0.068	0.001	-0.066	0.016	-0.067	0.000
LS_N	Adjusted	1430	9	0.407	0.183	-0.065	0.001	-0.066	0.009	-0.068	0.000
LS_S	Dry	391	9	0.635	0.184	-0.066	0.000	-0.063	0.001	-0.068	0.000
LS_S	Wet	473	9	0.716	0.208	-0.088	0.000	-0.087	0.001	-0.085	0.000
LS_S	All	864	9	0.691	0.189	-0.075	0.000	-0.074	0.001	-0.076	0.000
LS_S	Adjusted	864	9	0.675	0.175	-0.070	0.000	-0.069	0.001	-0.073	0.000
LS_ALL	Dry	1039	9	0.484	0.191	-0.066	0.001	-0.067	0.009	-0.062	0.000
LS_ALL	Wet	1255	9	0.550	0.180	-0.072	0.000	-0.071	0.002	-0.079	0.000
LS_ALL	All	2294	9	0.522	0.189	-0.070	0.000	-0.069	0.009	-0.067	0.000
LS_ALL	Adjusted	2294	9	0.509	0.177	-0.067	0.000	-0.066	0.009	-0.069	0.000
SOUTH	Dry	242	10	0.503	0.158	-0.023	0.285	-0.045	0.107	-0.047	0.002
SOUTH	Wet	268	12	0.550	0.132	-0.033	0.025	-0.032	0.043	-0.049	0.000
SOUTH	All	510	12	0.541	0.122	-0.022	0.151	-0.022	0.119	-0.042	0.000
SOUTH	Adjusted	510	12	0.526	0.105	-0.022	0.137	-0.022	0.087	-0.042	0.000

Trend Analysis Results

slope: value year^{-1}

Increase: p < 0.05 | p < 0.1 | p > 0.1

Decrease: p < 0.05 | p < 0.1 | p > 0.1

Variable: SECCHI

Units: m

						Trend Method:	**LinearRegression**		**MannKendall**		**SeasonalKendall**	
Site	*Weather*	*No. Samples*	*No. Years*	*Mean*	*St. Dev.*	*Slope*	*p-value*	*Slope*	*p-value*	*Slope*	*p-value*
9MILE	Dry	171	12	1.613	0.221	-0.007	0.704	-0.015	0.537	-0.009	0.530
9MILE	Wet	209	12	1.563	0.268	-0.009	0.708	-0.015	0.732	-0.003	0.723
9MILE	All	380	12	1.563	0.240	-0.001	0.979	-0.002	0.837	-0.002	0.927
9MILE	Adjusted	380	12	1.583	0.238	-0.002	0.937	-0.003	1.000	-0.004	0.736
MAPLE	Dry	171	12	1.765	0.413	-0.006	0.871	-0.037	0.631	-0.003	0.866
MAPLE	Wet	214	12	1.688	0.335	-0.012	0.684	-0.024	0.631	-0.020	0.209
MAPLE	All	385	12	1.716	0.369	-0.003	0.921	-0.013	0.837	-0.015	0.357
MAPLE	Adjusted	385	12	1.732	0.372	-0.004	0.895	-0.013	0.732	-0.014	0.374
WIL	Dry	172	12	1.749	0.364	-0.006	0.866	-0.002	0.732	-0.007	0.574
WIL	Wet	211	12	1.726	0.345	-0.005	0.871	-0.008	0.631	-0.014	0.271
WIL	All	383	12	1.732	0.339	-0.003	0.923	-0.005	0.945	-0.010	0.186
WIL	Adjusted	383	12	1.744	0.343	-0.004	0.906	-0.003	0.945	-0.013	0.149
LKPK	Dry	173	12	1.747	0.357	-0.025	0.447	-0.020	0.537	-0.022	0.247
LKPK	Wet	210	12	1.723	0.379	-0.010	0.766	-0.034	0.631	-0.023	0.257
LKPK	All	383	12	1.742	0.356	-0.016	0.619	-0.031	0.631	-0.024	0.118
LKPK	Adjusted	383	12	1.752	0.360	-0.017	0.609	-0.029	0.732	-0.023	0.061
BLBRK	Dry	137	10	1.603	0.312	0.001	0.983	-0.015	0.721	-0.022	0.578
BLBRK	Wet	173	11	1.566	0.336	0.013	0.712	0.012	0.755	-0.007	0.706
BLBRK	All	310	11	1.572	0.320	0.014	0.687	0.020	0.755	-0.019	0.203
BLBRK	Adjusted	310	11	1.593	0.313	0.007	0.838	0.018	0.876	-0.029	0.189
LEY	Dry	144	12	1.329	0.214	0.026	0.152	0.016	0.304	0.025	0.093
LEY	Wet	191	12	1.188	0.194	0.043	0.018	0.044	0.016	0.042	0.007
LEY	All	335	12	1.239	0.200	0.039	0.025	0.036	0.024	0.030	0.002
LEY	Adjusted	335	12	1.273	0.192	0.036	0.039	0.033	0.047	0.030	0.035
MID_S	Dry	145	12	1.283	0.169	0.017	0.251	0.019	0.373	0.010	0.359
MID_S	Wet	192	12	1.203	0.094	0.018	0.016	0.012	0.019	0.017	0.271
MID_S	All	337	12	1.249	0.081	0.015	0.029	0.012	0.016	0.014	0.115
MID_S	Adjusted	337	12	1.271	0.083	0.013	0.074	0.010	0.016	0.012	0.200
HARB	Dry	145	12	1.380	0.233	-0.002	0.928	-0.001	1.000	-0.003	0.879
HARB	Wet	193	12	1.305	0.085	0.023	0.040	0.018	0.047	0.026	0.058
HARB	All	338	12	1.351	0.111	0.015	0.266	0.010	0.451	0.017	0.188
HARB	Adjusted	338	12	1.374	0.115	0.012	0.374	0.006	0.732	0.018	0.249
LS_N	Dry	824	12	1.699	0.320	-0.011	0.691	-0.028	0.631	-0.014	0.468
LS_N	Wet	1017	12	1.659	0.308	-0.007	0.784	-0.011	0.732	-0.008	0.470
LS_N	All	1841	12	1.672	0.309	-0.006	0.832	-0.012	0.732	-0.014	0.187
LS_N	Adjusted	1841	12	1.686	0.313	-0.007	0.807	-0.010	0.837	-0.014	0.149
LS_S	Dry	434	12	1.329	0.159	0.014	0.323	0.009	0.451	0.001	0.789
LS_S	Wet	576	12	1.234	0.078	0.026	0.003	0.027	0.003	0.024	0.012
LS_S	All	1010	12	1.280	0.106	0.023	0.029	0.022	0.047	0.023	0.035
LS_S	Adjusted	1010	12	1.306	0.103	0.020	0.062	0.018	0.193	0.018	0.055
LS_ALL	Dry	1258	12	1.586	0.244	-0.012	0.598	-0.013	0.451	-0.011	0.598
LS_ALL	Wet	1593	12	1.510	0.204	-0.001	0.965	0.001	0.945	0.001	0.950
LS_ALL	All	2851	12	1.536	0.219	-0.001	0.957	-0.006	0.945	-0.006	0.560
LS_ALL	Adjusted	2851	12	1.554	0.222	-0.002	0.900	-0.004	0.945	-0.007	0.374
SOUTH	Dry	234	13	2.194	0.426	0.022	0.693	0.007	0.945	0.058	0.102
SOUTH	Wet	256	13	2.121	0.427	0.029	0.561	0.019	0.945	0.057	0.115
SOUTH	All	490	13	2.134	0.378	0.031	0.538	0.013	0.732	0.050	0.061
SOUTH	Adjusted	490	13	2.141	0.373	0.031	0.529	0.029	0.837	0.055	0.080

Trend Analysis Results

slope: value year^{-1}

Increase: p < 0.05 | p < 0.1 | p > 0.1

Decrease: p < 0.05 | p < 0.1 | p > 0.1

Variable: SECCHI_LT_12

Units: frequency < 1.2 m

						Trend Method:	**LinearRegression**		**MannKendall**		**SeasonalKendall**	
Site	*Weather*	*No. Samples*	*No. Years*	*Mean*	*St. Dev.*	*Slope*	*p-value*	*Slope*	*p-value*	*Slope*	*p-value*
9MILE	Dry	171	12	0.137	0.119	-0.017	0.075	-0.018	0.095	0.000	0.104
9MILE	Wet	209	12	0.155	0.172	-0.021	0.151	-0.020	0.158	0.000	0.021
9MILE	All	380	12	0.161	0.145	-0.023	0.018	-0.020	0.033	0.000	0.001
9MILE	Adjusted	380	12	0.146	0.134	-0.022	0.012	-0.022	0.064	-0.010	0.009
MAPLE	Dry	171	12	0.137	0.172	-0.016	0.187	-0.015	0.284	0.000	0.039
MAPLE	Wet	214	12	0.096	0.098	-0.018	0.032	-0.014	0.097	0.000	0.073
MAPLE	All	385	12	0.122	0.130	-0.019	0.031	-0.017	0.046	0.000	0.007
MAPLE	Adjusted	385	12	0.112	0.130	-0.018	0.038	-0.018	0.086	-0.008	0.046
WIL	Dry	172	12	0.085	0.117	-0.011	0.351	0.000	0.417	0.000	0.292
WIL	Wet	212	12	0.084	0.114	-0.019	0.041	-0.013	0.017	0.000	0.035
WIL	All	384	12	0.083	0.078	-0.013	0.104	-0.009	0.128	0.000	0.077
WIL	Adjusted	384	12	0.070	0.074	-0.012	0.115	-0.009	0.193	-0.002	0.257
LKPK	Dry	173	12	0.105	0.137	-0.006	0.700	-0.003	0.474	0.000	0.184
LKPK	Wet	210	12	0.113	0.198	-0.033	0.057	-0.014	0.077	0.000	0.003
LKPK	All	383	12	0.104	0.131	-0.018	0.199	-0.014	0.160	0.000	0.017
LKPK	Adjusted	383	12	0.095	0.130	-0.017	0.209	-0.011	0.244	-0.006	0.080
BLBRK	Dry	137	10	0.244	0.304	-0.066	0.039	-0.053	0.101	0.000	0.022
BLBRK	Wet	173	11	0.185	0.151	-0.026	0.114	-0.027	0.070	0.000	0.048
BLBRK	All	310	11	0.188	0.186	-0.027	0.166	-0.022	0.159	0.000	0.016
BLBRK	Adjusted	310	11	0.167	0.177	-0.020	0.309	-0.017	0.276	-0.005	0.249
LEY	Dry	144	12	0.319	0.295	-0.045	0.085	-0.050	0.063	0.000	0.030
LEY	Wet	191	12	0.480	0.238	-0.074	0.000	-0.077	0.002	-0.074	0.000
LEY	All	335	12	0.430	0.217	-0.065	0.000	-0.066	0.001	-0.063	0.000
LEY	Adjusted	335	12	0.402	0.205	-0.062	0.000	-0.058	0.001	-0.052	0.000
MID_S	Dry	145	12	0.264	0.190	-0.025	0.122	-0.033	0.130	0.000	0.212
MID_S	Wet	192	12	0.377	0.199	-0.048	0.000	-0.048	0.001	-0.042	0.007
MID_S	All	337	12	0.330	0.154	-0.035	0.002	-0.037	0.007	-0.029	0.013
MID_S	Adjusted	337	12	0.310	0.142	-0.033	0.001	-0.032	0.005	-0.024	0.015
HARB	Dry	145	12	0.316	0.297	-0.031	0.237	-0.021	0.269	0.000	0.087
HARB	Wet	193	12	0.310	0.235	-0.065	0.000	-0.072	0.001	-0.056	0.000
HARB	All	338	12	0.325	0.199	-0.053	0.002	-0.049	0.002	-0.050	0.000
HARB	Adjusted	338	12	0.304	0.190	-0.051	0.004	-0.044	0.003	-0.052	0.000
LS_N	Dry	824	12	0.130	0.121	-0.013	0.218	-0.014	0.304	0.000	0.096
LS_N	Wet	1018	12	0.128	0.131	-0.025	0.021	-0.017	0.007	-0.010	0.001
LS_N	All	1842	12	0.128	0.113	-0.019	0.042	-0.014	0.011	-0.009	0.001
LS_N	Adjusted	1842	12	0.116	0.109	-0.018	0.044	-0.012	0.047	-0.011	0.040
LS_S	Dry	434	12	0.306	0.180	-0.034	0.018	-0.035	0.024	-0.028	0.012
LS_S	Wet	576	12	0.388	0.193	-0.060	0.000	-0.059	0.000	-0.059	0.000
LS_S	All	1010	12	0.361	0.171	-0.051	0.000	-0.053	0.000	-0.050	0.000
LS_S	Adjusted	1010	12	0.338	0.158	-0.048	0.000	-0.050	0.001	-0.046	0.000
LS_ALL	Dry	1258	12	0.182	0.121	-0.015	0.142	-0.017	0.115	-0.011	0.026
LS_ALL	Wet	1594	12	0.215	0.126	-0.032	0.000	-0.029	0.000	-0.027	0.000
LS_ALL	All	2852	12	0.205	0.110	-0.025	0.002	-0.023	0.002	-0.020	0.000
LS_ALL	Adjusted	2852	12	0.190	0.103	-0.024	0.002	-0.022	0.003	-0.019	0.000
SOUTH	Dry	234	13	0.115	0.121	-0.021	0.165	0.000	0.281	0.000	0.087
SOUTH	Wet	256	13	0.086	0.082	-0.015	0.055	-0.014	0.134	0.000	0.220
SOUTH	All	490	13	0.103	0.075	-0.015	0.056	-0.015	0.059	0.000	0.170
SOUTH	Adjusted	490	13	0.101	0.076	-0.015	0.058	-0.015	0.150	-0.001	0.257